

ABSTRACT OF THE DISCLOSURE

Anodes are provided on a porous resin film, a polymer electrolyte membrane is provided on the anodes, and cathodes are provided on the polymer electrolyte membrane to form a plurality of membrane electrode assemblies as power generation units.

An electrically conductive member is connected to the cathode of a membrane electrode assembly, and a metal film is electrically connected to the anode of an adjacent membrane electrode assembly. The electrically conductive member has an expansion connected to the metal film. The cathode of the membrane electrode assembly and the anode of the adjacent membrane electrode assembly are electrically connected by the electrically conductive member and the metal film.